14   ((detect\$3 with cavitation) and (operat\$3 with parameter)   USPAT;	L Number	Hits	Search Text	DB	Time stamp
US-PGPUB	-				
and (automatics4 with detects3)  3 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)  9 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)  1 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)  1 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication) and (opersuse with indication) and (opersuse with indication) and (automatic\$4 with detect\$3)) and (fluid with flow with indication) and (pressure with indication) and (automatic\$4 with detect\$3) and (fluid with flow)  2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow with indication) and (pressure with indication) and (automatic\$4 with detect\$3) and (fluid with flow)  2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow with indication) and (net with positive with suction with parameter)) and (net with positive with suction with parameter)) and (net with positive with suction with parameter)) and (net with positive with suction with head) and (net with positive with suction with head)  1 ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with positive with suction with head) 1 ((estimat\$3 or detect\$3) with cavitation) and (menow) with characteristic with curve) and processor operat\$3 with parameter)  2 ((estimat\$3 or detect\$3) with cavitation) and memory and pure (operat\$3 with parameter) and (processor or microprocessor or computer or CPU) and operat\$3 with parameter)  3 (detect\$3 with cavitation) and memory and pure (cavitation and (operat\$3 with parameter))  4 ((estimat\$3 or detect\$3) with cavitation) and memory and pure (cavitation and (operat\$3 with parameter))  4 ((estimat\$3 or detect\$3) with cavitation) and (memory with cavitation)  4 (estimat\$3 with parameter) and (characteristic with curve) and ((estimat\$3 or detect\$3) with cavitation)  4 (estimat\$3 with parameter)  5 (cavitation and (operat\$3 with parameter)		·			1 2 3 3 7 5 7 7 10 13 3 3 3
and (automatics4 with detects3)  3 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)  9 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)  1 (((detect53 with cavitation) and (operat\$3 with parameter)) and (pressure with indication) and (operat\$4 with detects3)) and (indiv with flow with indication) and (opersure with indication) and (automatic\$4 with detect\$3) and (fluid with flow with indication) and (pressure with indication) and (automatic\$4 with detect\$3) and (fluid with flow with indication) and (pressure with indication) and (automatic\$4 with detect\$3) and (fluid with flow)  2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow with indication) and (pressure with indication) and (p	-	14	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:44
and (automatic\$4 with detect\$3)) and (characteristic with curve)  16 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)  9 (((detect\$3 with cavitation) and (automatic\$4 with detect\$3)) and (indi with flow) and (operat\$3 with parameter)) and (pressure with indication)) and (automatic\$4 with detect\$3)) and (indi with flow) and (operat\$3 with parameter)) and (pressure with indication)) and (automatic\$4 with detect\$3)) and (indi with flow)  1 (((detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)) and (automatic\$4 with detect\$3)) and (indi with flow)  2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow) and ((indi with flow) and ((indi with flow)) and ((indi with flow)) and ((indi with flow)) and ((indi with flow) and ((indi with flow)) and ((indi with flow)) and ((indi with flow)) and ((indi with flow)) and (indi with flow) and ((indi with flow)) and ((indi with flow)) and (indi with flow) and ((indi with flow)) and (indi with flow) and (indi with flow) and (indi with flow) and (indi with flow) ((indi with flow)) and (indi with flow) ((indi with flow)) and (indi with flow) (ind					
Curve   16		3	(((detect\$3 with cavitation) and (operat\$3 with parameter))		2003/04/11 17:19
16   ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)   ((detect\$3 with cavitation) and (operat\$3 with parameter))   and (pressure with indication)   and (automatic\$4 with detect\$3)) and (full with flow)   ((detect\$3 with cavitation) and (automatic\$4 with detect\$3)) and (full with flow)   ((detect\$3 with cavitation) and (operat\$3 with parameter))   ((detect\$3 with cavitation) and (operat\$3 with parameter))   and (pressure with indication)) and (automatic\$4 with detect\$3)) and (full with flow)   ((detect\$3 with cavitation) and (operat\$3 with parameter))   ((detect\$3 with cavitation) and (operat\$3 with parameter))   and (full with flow)   ((detect\$3 with cavitation) and (operat\$3 with parameter))   and (met with positive with suction with head)   ((detect\$3 with cavitation) and (operat\$3 with parameter))   and (net with positive with suction with head)   ((estimat\$3 or detect\$3) with cavitation) and (memory with than cavitation) and (operat\$3 with parameter)   ((estimat\$3 or detect\$3) with cavitation) and (memory with than cavitation)   ((estimat\$3 or detect\$3) with cavitation) and (memory with cavitation)   ((estimat\$3 or detect\$3) with cavitation) and (memory with cavitation)   ((estimat\$3 or detect\$3) with cavitation)   ((estimat\$3 or detect\$3) with cavitation)   ((estimat\$3 or detect\$3) with cavitation)   ((estimat\$3 with parameter))   ((estimat\$4 with cavitation)   ((estimat\$5 or detect\$3) with (estimat\$5 or detect\$3) with (estimat\$5 or detect\$3)   ((estimat\$5 or detect\$3) with (estimat\$5 or detect\$3)   ((estimat\$5 or detect\$3) with (estima			and (automatic\$4 with detect\$3)) and (characteristic with	US-PGPUB	
and (pressure with indication) 9 (((detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)) and (automatic\$4 with detect\$3)) 1 ((((detect\$3 with cavitation)) and (automatic\$4 with detect\$3)) and (fluid with flow with indication) 1 ((((detect\$3 with cavitation)) and (automatic\$4 with detect\$3))) and (fluid with flow with indication) 2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow) 2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow) 3 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow) 4 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head) 1 (((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with user) 2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user) 4 ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (processor or incroprocessor or computer or CPU) and (operat\$3 with parameter) 4 ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) 9 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)) 1 ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)) 1 (("6332110" "6317701" "6108616" "6055483" ),pn.) and cavitation and (operat\$3 with parameter) 1 (("6332110" "6317701" "6108616" "6055483" ),pn.) and cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3)) with cavitation) 1 (("6332110" "6317701" "6108616" "6055483" ),pn.) and cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3)) with cavitation) 1 (("6332110" "6317701" "6108616" "6055483" ),pn.) and cavitation and (operat\$3 with parameter) and (characteristic with curve)) and		10			
9   (((detect\$3 with cavitation)) and (automatic\$4 with detect\$3)] and ((fluid with flow) and (automatic\$4 with detect\$3)) and (fluid with flow) with indication)	-	10	((detect\$3 with cavitation) and (operat\$3 with parameter))		2003/04/11 16:44
and (pressure with indication)) and (automatic\$4 with detect\$3) and (fuld with flow with indication) and (aperat\$3 with parameter)) and (pressure with indication) and (automatic\$4 with detect\$3)) and (fuld with flow with indication) and (automatic\$4 with detect\$3)) and (fuld with flow with indication) and (aperat\$3 with parameter)) and (pressure with indication) and (aperat\$3 with parameter)) and (fluid with flow with indication) and (operat\$3 with parameter)) and (fluid with flow with indication) and (operat\$3 with parameter)) and (fluid with flow with indication) and (operat\$3 with parameter)) and (fluid with flow with indication) and (operat\$3 with parameter)) and (fluid with flow with indication) and (operat\$3 with parameter)) and (flew tith positive with suction with head) and (alert with user) ((estimat\$3 or detect\$3) with cavitation) and (operat\$3 with parameter) ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and operat\$3 with parameter) ((estimat\$3 or detect\$3) with cavitation) and (memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) ((estimat\$3 or detect\$3)) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) ((estimat\$3 or detect\$3)) with cavitation) and (estimat\$3 or detect\$3) with cavitation) and (estimat\$3 or det	_	٥			2002/04/44 45 45
detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)) and (automatic\$4 with detect\$3) and (fluid with flow with indication)   1 ((((detect\$3 with cavitation) and (operat\$3 with parameter)) and (pressure with indication)) and (operat\$3 with parameter)) and (pressure with indication) and (operat\$3 with parameter)) and (fluid with flow) with indication)   2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow) with indication)   3 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head) use of (detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head) use of (detect\$3 with cavitation) and (operat\$3 with parameter)) and (lest imat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with positive with suction with head) use of (lestimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and (net with positive with suction with head) use of (lestimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and (net with positive with suction with head) use of (lestimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and (operat\$3 with parameter) and (operat\$3 with parameter) and (operat\$3 with parameter) and (operat\$3 with parameter) and (characteristic with curve)) and (processor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)) and (lestimat\$3 or detect\$3) with cavitation) and (lestim			and (pressure with indication)) and (automatict) with		2003/04/11 16:45
1 ((((detect;3 with cavitation) and (operat;5 with parameter)) and (pressure with indication) ((((detect;5) with cavitation) and (automatic;4 with detect;5)) and (fluid with flow with indication) ((((detect;5) with cavitation)) and (automatic;4 with detect;5)) and (fluid with flow with indication)) and (automatic;4 with detect;5)) and (fluid with flow) (detect;5) with cavitation) and (operat;3 with parameter)) and (fluid with flow with indication) (((detect;5) with cavitation) and (operat;3 with parameter)) and (net with positive with suction with head) (((detect;3 with cavitation) and (operat;3 with parameter)) and (alert with user) (((detect;3 with cavitation) and (operat;3 with parameter)) and (alert with user) (((estimat;3 or detect;3)) with cavitation) and (characteristic with curve) and (net with positive with suction with head) (((estimat;3 or detect;3)) with cavitation) and (memory with characteristic with curve) and processor (((estimat;3 or detect;3)) with cavitation) and (memory and ((operat;3 with parameter)) (((estimat;3 or detect;3)) with cavitation) and memory and ((operat;3 with parameter)) (((estimat;3 or detect;3)) with cavitation) and memory and ((operat;3 with parameter)) (((estimat;3 or detect;3)) with cavitation) and memory and ((operat;3 with parameter)) (((estimat;3 or detect;3)) with cavitation) and memory and ((characteristic with curve)) and ((estimat;3 or detect;3) with cavitation) and memory and ((characteristic with curve)) and ((estimat;3 or detect;3) with cavitation) (((estimat;3 or detect;3)) with cavitation) ((estimat;3 or detect;3)) with cavitation) ((estimat;3 or detect;3)) with cavitation) ((estimat;3 or computer or CPU) and (operat;3 with parameter) ((estimat;3 or computer)) ((estimat;3 or c				U3-PGPUB	· ·
and (pressure with indication)) and (automatics4 with detect\$3)) and (fluid with flow)  (((detect\$3) with cavitation) and (operat\$3 with parameter)) and (pressure with indication)) and (automatic\$4 with detect\$3)) and (fluid with flow)  ((detect\$3) and (fluid with flow)  ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow with indication)  ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head)  ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head)  ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head) and (alert with curve) and (net with positive with suction with head)  ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (operat\$3 with parameter) and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)  ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)  ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)  ((estimat\$3 or detect\$3) with cavitation) and memory and (characteristic with curve) and ((estimat\$3 or detect\$3)) with cavitation) and (estimat\$3 or detect\$3) with cavitation and (operat\$3 with parameter) and (characteristic with curve) and (cavitation and (operat\$3 with parameter) and (characteristic with cavitation) and memory and (processor or microprocessor or computer or CPU) and (cavitation and (operat\$3 with parameter) and (characteristic with curve) and (estimat\$3 or detect\$3) with cavitation and (operat\$3 with parameter) and (characteristic with	-	1		USPAT.	2003/04/11 16:46
detects3) and (fluid with flow with indication)			and (pressure with indication)) and (automatic\$4 with		2005/01/11 10:10
and (pressure with indication)) and (automatics4 with detects3) with cavitation) and (operats3 with parameter)) and (fluid with flow with indication)  3 ((detects4 with cavitation) and (operats3 with parameter)) and (net with positive with suction with head)  1 (((detects4 with cavitation) and (operats3 with parameter)) and (net with positive with suction with head)  1 ((detects4 with cavitation) and (operats3 with parameter)) and (net with positive with suction with head)  2 ((detects4 with cavitation) and (operats3 with parameter)) and (alert with user)  4 ((estimats3 or detects3) with cavitation) and (characteristic with curve) and (net with positive with suction with head)  1 ((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  4 ((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  5 ((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  6 ((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  7 (((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  8 (((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  9 (((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  1 ((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  1 ((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  2 (((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  3 (((estimats3 or detects3) with cavitation) and memory and (operats3 with parameter)  4 ((estimats3 or detects3) with cavitation)  5 ((eavitation and (operats3 with parameter) and (characteristic with curve)) and ((estimats3 or detects3) with cavitation)  6 ((e332110" "6317701" "6108616" "6055483" ),pn.) and cavitation and (operats3 with parameter)  9 ((e332110" "6317701" "6108616" "6055483" ),pn.) and cavitation and (operats3 with parameter)  1 ((e332110" (e33210" (e342012" (e342012" (e34			detect\$3)) and (fluid with flow with indication)	30 . 0. 05	
and (pressure with indication)) and (automatic\$4 with detect\$3) and (fluid with flow)  2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (fluid with flow with indication)  3 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head)  1 (((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head)  1 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head)) and (alert with user)  2 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user)  3 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user)  4 ((estimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and processor or computer or CPU) and (operat\$3 with parameter)  5 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  6 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  7 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  8 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  9 (((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  1 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  1 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  2 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  2 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  3 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  4 ((estimat\$3 or detect\$3) with cavitation) and memory and (operat\$3 with parameter)  5 ((estimat\$5 or detect\$3) with cavitation) and (estimat\$3 or detect\$3)  6 ((estimat\$5 or detect\$3) with cavitation)  1 ((estimat\$5 or detect\$3) with cavitation)  2 ((estimat\$5 or detect\$3) with cavitation)  3 ((estimat\$5 or detect\$5)  4 ((	-	1	((((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:46
2	٠.	·	and (pressure with indication)) and (automatic\$4 with	US-PGPUB	
and (fluid with flow with indication)  3 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head)  1 (((detect\$3 with cavitation) and (operat\$3 with parameter)) and (net with positive with suction with head))  7 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user)  4 ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with suction with head)  1 ((estimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and processor  ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  9 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  1 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  1 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  2 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  4 ((6332110" "6317701" "6108616" "6055483" ).pn.)  5 (((*6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  1 ((*6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  2 ((*6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  3 ((*4234925"   "4319320"   "4486381"   "4490808"   USPAT; US-PGPUB uspar; USPAT; US-PGPUB uspa		_	detect\$3)) and (fluid with flow)		
3	1 -	2	((detect\$3 with cavitation) and (operat\$3 with parameter))		2003/04/11 16:48
and (net with positive with suction with head)  1 (((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user)  7 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user)  4 ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with positive with suction with head)  1 ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with positive with suction with head)  1 ((estimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and processor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)  6 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  7 (("6332110" "6317701" "6108616" "6055483" ).pn. uspar; usp		2			
1		. 3	and (net with positive with suction with boad)		2003/04/11 16:49
and (net with positive with suction with head)) and (alert with user)  7 ((detect\$3 with cavitation) and (operat\$3 with parameter)) and (alert with user)  4 ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with positive with suction with head)  1 ((estimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and processor  29 ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  9 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  1 ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)  6 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  1 ("6332110" "6317701" "6108616" "6055483" ).pn.  2 ("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  1 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  2 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  3 ("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  4 ("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  5 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU)  1 ("4234925"   "4486381"   "4490808"   "4674279"   "4683718"   "4770843"   "4794544"   "4820318"   "4994684"   "5322412"   "5346359"   "4823018"   "4994684"   "5322412"   "5346359"   "4823018"   "4994684"   "5322412"   "5346359"   "4823018"   "4994684"   "5322412"   "5346359"   "4823018"   "4994684"   "5322412"   "5346359"   "4823018"   "4994684"   "5322412"   "53463	-	1	(((detect\$3 with cavitation) and (operat\$3 with parameter))		2002/04/11 16:40
With user   ((detect\$3 with cavitation) and (operat\$3 with parameter)   and (alert with user)   ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve) and (net with positive with suction with head)   ((estimat\$3 or detect\$3) with cavitation) and (memory with characteristic with curve) and processor (estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)   (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)   (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)   ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter) and (characteristic with curve)   ((avitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)   (("6332110" "6317701" "6108616" "6055483").pn.)   (("6332110" "6317		. •	and (net with positive with suction with head)) and (alert		2003/04/11 16:49
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4		**	and (alert with user)		2005/01/11 10:50
With curve  and (net with positive with suction with head) ((estimats3 or detect\$3) with cavitation) and (memory with characteristic with curve) and processor or computer or CPU) and (operats3 with parameter) ((estimats3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operats3 with parameter) ((estimats3 or detect\$3) with cavitation) and memory and pump (coversor or microprocessor or computer or CPU) and (operats3 with parameter) and (process\$4 with plant) and pump (cavitation and (operat\$3 with parameter) and (characteristic with curve) ((cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) ("6332110" "6317701" "6108616" "6055483" ).pn. USPAT; US-PGPUB	-	. 4	((estimat\$3 or detect\$3) with cavitation) and (characteristic		2003/04/11 17:11
Characteristic with curve   and processor   ((estimats3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)   (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)   USPAT; US-PGPUB   ((estimat\$3 or detect\$3) with cavitation and (operat\$3 with parameter) and (characteristic with curve)   (cavitation and (operat\$3 with parameter) and (characteristic with curve)   ((estimat\$3 or detect\$3) with cavitation)   (fe332110" fe317701" fe108616" fe055483" ).pn.   USPAT; US-PGPUB   USPAT; US			with curve) and (net with positive with suction with head)	US-PGPUB	
Cestimat\$3 or detect\$3) with cavitation and memory and (operat\$3 with parameter)	-	1	((estimat\$3 or detect\$3) with cavitation) and (memory with		2003/04/11 17:20
(processor or microprocessor or computer or CPU) and (operat\$3 with parameter)  ((cstimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)) and (process\$4 with plant) and pump  29 cavitation and (operat\$3 with parameter) and (characteristic with curve)  6 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  6 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  7 ("6332110" "6317701" "6108616" "6055483" ).pn. USPAT; US-PGPUB USPAT; US-	_	20	characteristic with curve) and processor		
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9 (((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (operat\$3 with parameter)) and (process\$4 with plant) and pump  49 cavitation and (operat\$3 with parameter) and (characteristic with curve) (cavitation and (operat\$3 with parameter) and (characteristic with cavitation)  4 ("6332110" "6317701" "6108616" "6055483" ).pn.  5 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("632210" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation			(operate3 with parameter)	US-PGPUB	*-
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(operat\$3 with parameter)) and (process\$4 with plant) and pump cavitation and (operat\$3 with parameter) and (characteristic with curve)  (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  ("6332110" "6317701" "6108616" "6055483" ).pn.  ("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  ("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter)  (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation  ((avitation and (operat\$3 with parameter) uspart; uspepub uspart; uspart; uspart; uspart; uspart; uspart; uspepub uspart; uspa		_	(processor or microprocessor or computer or CPU) and		2003/04/11 18:09
Pump   Cavitation and (operat\$3 with parameter) and (characteristic with curve)   Gavitation and (operat\$3 with parameter) and (characteristic with curve)   Gavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3)   USPAT;   USPGPUB   USPAT;   USPAT;   USPGPUB   USPAT;			(operat\$3 with parameter)) and (process\$4 with plant) and	031000	
with curve) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)  4 ("6332110" "6317701" "6108616" "6055483" ).pn.  USPAT; US-PGPUB USPAT;			pump		
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Characteristic with curve) and ((estimat\$3 or detect\$3)   with cavitation)		_			
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- ("6332110" "6317701" "6108616" "6055483" ).pn.				US-PGPUB	
- 0 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) ("4234925"   "4319320"   "4486381"   "4490808"   "5402332").PN.  - 0 (("4234925"   "4319320"   "4486381"   "4490808"   "5402332").PN.  - (("4234925"   "4319320"   "4486381"   "4490808"   "5402332").PN.  - (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; US-PGPUB "4674279"   "4683718"   "4770843"   "4794544"   USPAT; US-PGPUB "4823018"   "4994684"   "5322412"   "5346359"	-	. 4	("6332110" "6317701" "6108616" "6055492" \ nn	LICDAT	2002/04/44 47 22
- 0 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation and (operat\$3 with parameter) - 1 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation - 2 (("6332110" "6317701" "6108616" "6055483" ).pn.) and cavitation - 5 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) - 13 ("4234925"   "4319320"   "4486381"   "4490808"   USPAT (2003/04/15 15:51 "4674279"   "4683718"   "4770843"   "4794544"   "5346359"   "5402332").PN 0 (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; US		7	( 0002110 0017701 0100010 0000900 ).pii.		2003/04/11 17:28
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with cavitation) and memory and (processor or microprocessor or computer or CPU)  13 ("4234925"   "4319320"   "4486381"   "4490808"   USPAT 2003/04/15 15:51 "4674279"   "4683718"   "4770843"   "4794544"   "4823018"   "4994684"   "5322412"   "5346359"   "5402332").PN.  0 (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; US-PGPUB "4823018"   "4994684"   "5322412"   "5346359"	-	5	(cavitation and (operat\$3 with parameter) and		2003/04/15 15:54
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"4674279"   "4683718"   "4770843"   "4794544"   "4823018"   "4994684"   "5322412"   "5346359"   "5402332").PN.  (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; "4674279"   "4683718"   "4770843"   "4794544"   US-PGPUB "4823018"   "4994684"   "5322412"   "5346359"	-	13		LICDAT	2002/04/45 45 5
"4823018"   "4994684"   "5322412"   "5346359"   "5402332").PN. (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; "4674279"   "4683718"   "4770843"   "4794544"   US-PGPUB "4823018"   "4994684"   "5322412"   "5346359"	. [	13	"4674279"   "4683718"   "4770843"   "47904544"	USPAI	2003/04/15 15:51
- "5402332").PN. - (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; US-PGPUB "4823018"   "4994684"   "5322412"   "5346359"			"4823018"   "4994684"   "5322412"   "5346359"		
- 0 (("4234925"   "4319320"   "4486381"   "4490808"   USPAT; US-PGPUB			"5402332").PN.		
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"4823018"   "4994684"   "5322412"   "5346359"			"4674279"   "4683718"   "4770843"   "4794544"		
"5402332").PN.) and (suction with pressure)			"4823018"   "4994684"   "5322412"   "5346359"		
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			(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
			with cavitation) and memory and (processor or		
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ı			pressure)		
-	-	2		USPAT;	2002/04/15 17:15
			(characteristic with curve)) and ((estimat\$3 or detect\$3)		2003/04/15 17:15
- 1			with cavitation) and memory and (processor or	US-PGPUB	- *
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			microprocessor or computer or CPU) and (suction with		
-			pressure)) and (suction with fluid with flow)		
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-			(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
1			with cavitation) and (calculat\$3 with net with position with	,	
			suction)		
	-	1	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/16 06:56
-		1	(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	2000/01/10 00:50
			with cavitation) and (net with position with suction)	. 00 1 01 00	NAME OF THE STATE
1	-	1 0	702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2002/04/15 10:12
			and (characteristic with curve) and ((estimat\$3 or detect\$3)	US-PGPUB	2003/04/15 18:12
ı			with cavitat\$3) and (net with position with suction)	U3-PGPUB	, -
	-	10	702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	LICDAT	2000/04/45
	,	10	and (monitor\$3 with data)	USPAT;	2003/04/15 18:33
1	_	0	(702/¢ cele and equipole 4 and (and the	US-PGPUB	
		0	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/15 18:12
			and (monitor\$3 with data)) and (net with position with	US-PGPUB	* *
ı		1	suction)		
	•	1	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/16 12:07
İ			and (monitor\$3 with data)) and (suction with pressure)	US-PGPUB	
ĺ	-	1	cavitat\$4 and (operat\$3 with parameter) and (monitor\$3	USPAT;	2003/04/15 19:06
ı			with data) and (characteristic with curve with	US-PGPUB	2000/01/10 15:00
		-	(voltage-current or voltage))	1	
1	-	51	(operat\$3 with parameter) and (monitor\$3 with data) and	USPAT;	2003/04/15 19:02
			(characteristic with curve with (voltage-current or voltage))	US-PGPUB	2003/04/13 19.02
	<b>-</b>	. 0	((operat\$3 with parameter) and (monitor\$3 with data) and	USPAT;	2002/04/15 10:02
			(characteristic with curve with (voltage-current or voltage)))	US-PGPUB	2003/04/15:19:03
			and (electrical with operting with parameter)	03-70708	
	-	3	((operat\$3 with parameter) and (monitor\$3 with data) and	LICDAT	2002/04/15 10 00
ı		' '	(characteristic with curve with (voltage-current or voltage)))	USPAT;	2003/04/15 19:03
1			and (electrical with operating with parameter)	US-PGPUB	
		1	Cavitate4 and (encrete3 with normals)		
			cavitat\$4 and (operat\$3 with parameter) and (characteristic	USPAT;	2003/04/15 19:06
	_	2	with curve with (voltage-current or voltage))	US-PGPUB	
			(monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 09:10
			(voltage-current or voltage)) and (electrical with operating	US-PGPUB	
		450	with parameter)		
1	-	152	(monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:27
			(voltage-current or voltage or V-A)) and (high with	US-PGPUB	
			frequency fluctuations)	,	·
	•	19	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:02
l			(voltage-current or voltage or V-A)) and (high with	US-PGPUB	,,
	•	a 0 - •	frequency fluctuations)) and pump	* **	( .
•	•	11	(((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:02
	,	-	with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	2003/04/10 07.02
		.5.	frequency fluctuations)) and pump) and parameter	33 T GF00	
.	•	9	((((monitor\$3 with system) and (characteristic with curve	USPAT;	2002/04/15 07:04
			with (voltage-current or voltage or V-A)) and (high with		2003/04/16 07:04
			frequency fluctuations)) and pump) and parameter) and	US-PGPUB	
			operating		
١.		1	(((((monitor\$3 with system) and (characteristic with curve		200010
		*	with (voltage-current or voltage and (A)) and (blate and	USPAT;	2003/04/16 07:04
			with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	
			frequency fluctuations)) and pump) and parameter) and		
_		L	operating) and (high with frequency with fluctuations)		

	· T	////	LICOAT	2002/04/46 07 06
-	2	(((((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:26
		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency fluctuations)) and pump) and parameter) and		
		operating) and (frequency with fluctuations)		
-	4	(monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:18
	•	(voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency with fluctuations)		
-	3	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:09
•		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency with fluctuations)) and pump		
-	16	(monitor\$3 with system) and (characteristic with curve) and	USPAT;	2003/04/16 09:51
		(voltage-current or voltage or V-A) and (high with frequency	US-PGPUB	
	,	with fluctuations)		
	5	((monitor\$3 with system) and (characteristic with curve)	USPAT;	2003/04/16 07:24
		and (voltage-current or voltage or V-A) and (high with	US-PGPUB	
No. 40 (40)		frequency with fluctuations)) and ( curve with		
		(voltage-current or voltage or V-A))		
-	25	(pump with cavitat\$3) and ( curve with (voltage-current or	USPAT;	2003/04/16 07:28
		voltage or V-A))	US-PGPUB	*
-	1	((pump with cavitat\$3) and ( curve with (voltage-current or	USPAT;	2003/04/16 07:26
		voltage or V-A)) ) and (frequency with fluctuations)	US-PGPUB	' '
-	1	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:27
		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	,
		frequency fluctuations)) and (pump with cavitat\$3)		
-	11	(curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:43
		with frequency with fluctuations) and pump	US-PGPUB	
-	5	((curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:30
		with frequency with fluctuations) and pump) and parameter	US-PGPUB	, , , , , , , , , , , , , , , , , , , ,
-	1	(curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:39
		with frequency with fluctuations) and (electrical with	US-PGPUB	
		operating with parameter)		
_	0	(monitor\$3 with rountine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:12
		and (expert with engine) and (neural with network)	US-PGPUB	= 300,00,120
-	6	((monitor\$3 with routine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:33
•		and (expert with engine) and (neural with network)) and	US-PGPUB	
		cavitat\$3	32 . 3, 33	
	7	((monitor\$3 with routine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:17
		and (expert with engine) and (neural with network)) and	US-PGPUB	2000/01/10 05:17
		pump	30 . 3. 00	
-	10	(monitor\$3 with routine) and (operat\$4 with parameter) and	USPAT;	2003/04/16 09:32
		(expert with engine) and (neural with network)	US-PGPUB	2303/01/10/03:32
_	47	(monitor\$3 with system) and (operat\$4 with parameter) and	USPAT;	2003/04/16 09:50
	''	(expert with engine) and (neural with network)	US-PGPUB	2000/01/10 03.30
_	ا و	((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 10:28
		and (expert with engine) and (neural with network)) and	US-PGPUB	2003/07/10 10.20
		cavitat\$3		
	1	Cariacyo	F	1

"3688190"   "3 "RE29383"   "4 "4122719"   "4 "4517468"   "4 "4642782"   "4	530234"   "4571689"  644479"   "4649515"  777585"   "4831564"	"3973184"     "4102199"     "4399824"     "4635214"	USPAT	2003/04/16 09:48
"RE29383"   "4 "4122719"   "4 "4517468"   "4 "4642782"   "4	1058975"   "4099413" 1250490"   "4337516" 1530234"   "4571689" 1644479"   "4649515" 1777585"   "4831564"	"4102199"     "4399824"     "4635214"		
"4122719"   "4   "4517468"   "4   "4642782"   "4	250490"   "4337516" 530234"   "4571689" 644479"   "4649515" 5777585"   "4831564"	"4399824"     "4635214"		
"4517468"   "4 "4642782"   "4	530234"   "4571689"  644479"   "4649515"  777585"   "4831564"	"4635214"		
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1 1	907167"   "4924418"	•		
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1 1	361628"   "5365423"	•	•	
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	548528"   "5561599"	•		_
"5572420"   "5	•			
"5623605"   "5				
"5665899"   "5		"5675504"	-	
1 1 1	680109"   "5700090"	"5703575"		
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	741074"   "5742845"	"5746511"		8
1 1 1	764891"   "5781878"	"5801689"		
	828567"   "5829876"	"5848383"		
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l i		"6045260"		
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1 1	199018"   "6263487"	"6298377").PN.	-	

		//!!2006424!!   !!2404264!!   !!2460464!!   !!2500270!!	LICOAT	2002/04/46 00 62
-	C	(("3096434"   "3404264"   "3468164"   "3590370"     "3688190"   "3691842"   "3701280"   "3973184"	USPAT;	2003/04/16 09:48
-		"RE29383"   "4058975"   "4099413"   "4102199"	US-PGPUB	
		"4122719"   "4250490"   "4337516"   "4399824"		
		"4517468"   "4530234"   "4571689"   "4635214"	4.	
		"4642782"   "4644479"   "4649515"   "4707796"		
		"4736367"   "4777585"   "4831564"   "4841286"		
		"4873655"   "4907167"   "4924418"   "4934196"		
		"4939753"   "4964125"   "4988990"   "4992965"		
		"5005142"   "5043862"   "5053815"   "5067099"		
		"5081598"   "5089984"   "5098197"   "5099436"		
		"5103409"   "5111531"   "5121467"   "5122794"		2
		"5122976"   "5130936"   "5134574"   "5137370"		
,	•	"5142612"   "5143452"   "5148378"   "5167009"		
		"5175678"   "5193143"   "5197114"   "5197328"		
<u> </u>		<u>"5212765"   "5214582"   "5224203"   "5228780"   </u>		
		"5235527"   "5265031"   "5265222"   "5269311"		
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		"5303181"   "5305230"   "5311421"   "5317520"		
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1		"5384699"   "5386373"   "5394341"   "5394543"		
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·	ļ	"5419197"   "5430642"   "5440478"   "5442639"		
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		"5481199"   "5483387"   "5485753"   "5486996"		
		"5488697"   "5489831"   "5495769"   "5510799"		
		"5511004"   "5548528"   "5561599"   "5570300"		
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		"5675724"   "5680109"   "5700090"   "5703575"		
1		"5704011"   "5705978"   "5708585"   "5713668"		
		"5719378"   "5741074"   "5742845"   "5746511"		
		"5752008"   "5764891"   "5781878"   "5801689"		
		"5805442"   "5828567"   "5829876"   "5848383"		
. 1		"5859964"   "5876122"   "5887978"   "5923557"		·
,	ľ	"5924086"   "5926778"   "5940290"   "5956663"		
		"5970430"   "6016706"   "6017143"   "6045260"		
		"6047220"   "6047222"   "6119047"   "6192281"	-	
		"6195591"   "6199018"   "6263487"   "6298377").PN.) and		
		(expert with engine) and (neural with network)		
-	· 19	((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:50
		and (expert with engine) and (neural with network)) and	US-PGPUB	
	_	pump		
-	3	((((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 10:41
		and (expert with engine) and (neural with network)) and	US-PGPUB	
		pump) and (operat\$4 with parameter)) and (characteristic		
		with curve)		
-	19	(((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 12:57
		and (expert with engine) and (neural with network)) and	US-PGPUB	
		pump) and (operat\$4 with parameter)		
-	2	(monitor\$3 with system) and (alert with cavitat\$3)	USPAT;	2003/04/16 10:40
		7.1.0	US-PGPUB	
-	2	(alert with cavitat\$3)	USPAT;	2003/04/16 10:33
		Constituted the said of the sa	US-PGPUB	
-	95	(monitor\$3 with system) and alert and cavitat\$3	USPAT;	2003/04/16 10:41
	_	(/monthout?) with quaters) == d = t = t = t = t = t = t = t = t =	US-PGPUB	
-	8	((monitor\$3 with system) and alert and cavitat\$3) and	USPAT;	2003/04/16 10:41
_		(characteristic with curve)	US-PGPUB	2000154114
-	3	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/16 12:08
		and (monitor\$3 with data)) and (characteristic with curve)	US-PGPUB	<u> </u>

-	2	(((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 12:58
		and (expert with engine) and (neural with network)) and	US-PGPUB	
-		pump) and (pump with impeller)		-
-	0	(("3096434"   "3404264"   "3468164"   "3590370"	USPAT;	2003/04/16 12:59
	]. '	"3688190"   "3691842"   "3701280"   "3973184"	US-PGPUB	· · ·
		"RE29383"   "4058975"   "4099413"   "4102199"		
		"4122719"   "4250490"   "4337516"   "4399824"		
		"4517468"   "4530234"   "4571689"   "4635214"		
	*	"4642782"   "4644479"   "4649515"   "4707796"		
		"4736367"   "4777585"   "4831564"   "4841286"		
	*	"4873655"   "4907167"   "4924418"   "4934196"		
		"4939753"   "4964125"   "4988990"   "4992965"	1	
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o i se se	والمعاصبين المراجع	"5122976"   "5130936"   "5134574"   "5137370"	e contra de	
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		"5805442"   "5828567"   "5829876"   "5848383"		
		"5859964"   "5876122"   "5887978"   "5923557"		
1		"5924086"   "5926778"   "5940290"   "5956663"		
		"5970430"   "6016706"   "6017143"   "6045260"		
		"6047220"   "6047222"   "6119047"   "6192281"		
		"6195591"   "6199018"   "6263487"   "6298377").PN.) and		
		(pump with impeller)		
-	2	((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 12:59
		and (expert with engine) and (neural with network)) and	US-PGPUB	
		(pump with impeller)		
	1 1	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 12:59
		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	
		frequency fluctuations)) and (pump with impeller)		
-	6	(detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	2003/09/05 15:01
İ		and (pump with impeller)	US-PGPUB	
	2	(702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation)	USPAT;	2003/04/16 14:05
	ا منا	and (operat\$3 with parameter) and (pump with impeller)	US-PGPUB	
-	10	(702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation)	USPAT;	2003/04/16 14:06
	1 .	and (operat\$3 with parameter) and (monitor\$3 with (data or	US-PGPUB	
		parameter))		
-	0	(Characteristic with curve) same (operat\$3 with parameter)	USPAT;	2003/09/05 17:01
		same caviation	US-PGPUB	
-	0	(characteristic with curve) same (operat\$3 with parameter)	USPAT;	2003/09/05 14:36
		same caviation	US-PGPUB	
Laaren Hiete	E/20/04	7:42:15 PM Page 6		

			<u> </u>		
-		0	(characteristic with curve) and ((operat\$3 with parameter) same caviation )	USPAT; US-PGPUB	2003/09/05 14:37
-	•	0	(characteristic with curve) and (operat\$3 with parameter) and (caviation with device)	USPAT; US-PGPUB	2003/09/05 14:37
-		0	(characteristic with curve) and (operat\$3 with parameter)	USPAT;	2003/09/05 14:38
-		0	characteristic and curve and (operat\$3 with parameter) and caviation	US-PGPUB USPAT;	2003/09/05 14:38
-		27	(detect\$3 with cavitation) and (operat\$3 with parameter)	US-PGPUB USPAT;	2003/09/05 17:18
-		6	and curve ((detect\$3 with cavitation) and (operat\$3 with parameter)	US-PGPUB USPAT;	2003/09/08 12:34
-		2	and curve) and (character\$6 with curve) 09/852945	US-PGPUB USPAT;	2003/09/05 15:04
-		5	(((detect\$3 with cavitation) and (operat\$3 with parameter)	US-PGPUB USPAT;	2003/09/05 16:23
· -		16	and curve) and (character\$6 with curve)) and routine ((detect\$3 with cavitation) and (operat\$3 with parameter)	US-PGPUB USPAT;	2003/09/05 16:23
-		24	and curve) and routine ((character\$6 with curve) and (operat\$3 with parameter) an	US-PGPUB USPAT;	2003/09/07 15:32
2		1	cavitation ) and (estimat\$3 near5 cavitation) (((character\$6 with curve) and (operat\$3 with parameter)	US-PGPUB USPAT;	2003/09/05 17:05
	•		an cavitation ) and (estimat\$3 near5 cavitation) ) and Processor and memory	US-PGPUB	
•		1	(((character\$6 with curve) and (operat\$3 with parameter) an cavitation) and (estimat\$3 near5 cavitation)) and (Processor or computer or CPU or microcomputer) and	USPAT; US-PGPUB	2003/09/05 17:06
-		1	memory (((character\$6 with curve) and (operat\$3 with parameter) an cavitation ) and (estimat\$3 near5 cavitation) ) and	USPAT; US-PGPUB	2003/09/05 17:06
:			(Processor or computer or CPU or microcomputer or microprocessor) and memory		
-	٠	1	(character\$6 with curve) same (estimat\$3 with cavitation)	USPAT; US-PGPUB	2003/09/05 17:28
-		2	(character\$6 with curve) same ((estimat\$3 or detect\$3 or sens\$3) with cavitation)	USPAT; US-PGPUB	2003/09/05 17:28
-		1	((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near5 cavitation)	USPAT; US-PGPUB	2003/09/07 15:32
		1	(((character\$6 with curve) and (operat\$3 with parameter) and cavitation ) and (estimat\$3 near5 cavitation) ) and (Processor or computer or CPU or microcomputer or	USPAT; US-PGPUB	2003/09/07 15:34
-		1	microprocessor) (("4234925"   "4319320"   "4486381"   "4490808"	USPAT;	2003/09/07 16:36
		,	"4674279"   "4683718"   "4770843"   "4794544"   "4823018"   "4994684"   "5322412"   "5346359"   "5402332").PN.) and (caviation)	US-PGPUB	2005/05/07 10.30
-		5	("6152684" "5940290" "5284523" "5646539" "5573032").pn.	USPAT; US-PGPUB	2003/09/07 16:39
-		, i 1	DE-19645129-\$.did.	USPAT; US-PGPUB;	2003/09/07 16:41
				EPO; JPO; DERWENT	
-		2	WO-9721154-\$.did.	USPAT; US-PGPUB;	2003/09/07 16:41
				EPO; JPO;	
-		2	EP-943805-\$.did.	DERWENT USPAT; US-PGPUB;	2003/09/07 16:42
				EPO; JPO; DERWENT	

•	10	(("6152684" "5940290" "5284523" "5646539"	USPAT;	2003/09/07 16:43
		"5573032").pn.) or DE-19645129-\$.did. or	US-PGPUB;	
		WO-9721154-\$.did. or EP-943805-\$.did.	EPO; JPO;	
			DERWENT	
<del>-</del> .	1	alert with user with cavitation	USPAT;	2003/09/08 12:36
			US-PGPUB	
-	1	alert\$3 with user with cavitation	USPAT;	2003/09/08 12:50
			US-PGPUB	
	1	(alert\$3 or sens\$3 or nimble or agile or athletic) with user	USPAT;	2003/09/08 12:38
	_	with cavitation	US-PGPUB	
-	5	associat\$4 with user with cavitation	USPAT;	2003/09/08 12:41
		11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	US-PGPUB	000010010010
-	1	user with presen\$4 with cavitation	USPAT;	2003/09/08 12:42
		144 14-41	US-PGPUB	2002/00/00 42 40
[	52	user with cavitation	USPAT;	2003/09/08 12:48
1 to 1 m2 1 m2 .	11	(user with cavitation) and plant	US-PGPUB	2002/00/09 12:47
	11	(user with cavitation) and plant	USPAT; US-PGPUB	2003/09/08 12:47
_	1	user with recogni\$6 with cavitation	USPAT;	2003/09/08 12:49
	·	doci with recognize with cavitation	US-PGPUB	2003/03/00 12.43
	2	alert\$3 with cavitation	USPAT;	2003/09/08 12:51
			US-PGPUB	2003/03/00 12.31
_	6	indicat\$3 with user with cavitation	USPAT;	2003/09/08 12:52
		maistre man abor man cavitation	US-PGPUB	2000/05/00 12:52
_	1	(piezoelectric near2 horn) with cavitation	USPAT;	2003/09/08 12:53
		, and the second	US-PGPUB	=====================================
- "	. 4	(piezoelectric near2 horn) same cavitation	USPAT;	2003/09/08 12:53
,			US-PGPUB	
- '	4	(estimat\$3 with cavitation) and (characteristic with curve)	USPAT;	2004/05/20 12:49
			US-PGPUB;	
		. 1	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	((estimat\$3 with cavitation) and (characteristic with curve))	USPAT;	2004/05/20 12:53
· ·		and routine	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1:	2	((estimat\$3 with cavitation) and (characteristic with curve))	IBM_TDB USPAT;	2004/05/20 12:55
-		and (collect\$3 with parameter)	US-PGPUB;	2,007,007,20 12.33
		and (concerps with parameter)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	2	(((estimat\$3 with cavitation) and (characteristic with	USPAT;	2004/05/20 12:55
		curve)) and (collect\$3 with parameter)) and (monitor\$3 with	US-PGPUB;	= > - , , ,
		parameter)	EPO; JPO;	
3	*	•	DERWENT;	
1		•	IBM_TDB	
- :	2	((estimat\$3 with cavitation) and (characteristic with curve))	USPAT;	2004/05/20 12:55
		and (monitor\$3 with parameter)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
- ·	5	cavitation and (characteristic with curve) and (collect\$3	USPAT;	2004/05/20 16:39
,		with parameter) and (monitor\$3 with parameter)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	'
	1		IBM_TDB	<u> </u>

	54	cavitation same (characteristic with curve)	USPAT;	2004/05/20 15:47
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	34	and the time with the constant at the with a will and	IBM_TDB	2004/05/00 45 47
-	24	cavitation with (characteristic with curve)	USPAT;	2004/05/20 15:47
			US-PGPUB;	•
			EPO; JPO;	
			DERWENT;	
	1	·	IBM_TDB	•
1_	2	((estimat\$3 evaluat\$3) with cavitation) same (characteristic	USPAT;	2004/05/20 15:56
. *	· ~ ~ .	with curve)		2007/03/20 13.30
		with curve)	US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
		,	IBM_TDB	•
.   -	9	((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:51
		with curve)	US-PGPUB;	
			EPO; JPO;	
				•
			DERWENT;	
			IBM_TDB	,
-	2	(((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:50
		with curve) ) and (stor\$4 with characteristic with curve)	US-PGPUB;	
1	-		EPO; JPO;	
			DERWENT;	,
			IBM_TDB	
_	2	(((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:51
	2			2004/05/20 15:51
		with curve) ) and (memory same (characteristic with	US-PGPUB;	-
		curve))	EPO; JPO;	
		*	DERWENT;	
			IBM_TDB	
-	5	((estimat\$3 evaluat\$3 detect\$3) with cavitation) same	USPAT;	2004/05/20 16:40
		(characteristic with curve)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	ľ		IBM_TDB	
	4	("5905989" "6421571").pn.		2004/05/20 46:20
-	7	( 2302363 6421271 ).pii.	USPAT;	2004/05/20 16:39
	Ì	,	US-PGPUB;	
		'	EPO; JPO;	
1		·	DERWENT;	
		·	IBM_TDB	*
-	0	(("5905989" "6421571").pn.) and (characteristic with curve)	USPAT;	2004/05/20 16:52
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		//	IBM_TDB	.00
-	0	((estimat\$3 or detect\$3) with caviation) and ((stor\$4 or	USPAT;	2004/05/20 16:52
		memeory) with characteristic with curve)	US-PGPUB;	
		*	EPO; JPO;	
4 4 4		-5 + 2 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	DERWENT;	
-			IBM_TDB	
-	0	((estimat\$3 or detect\$3) with caviation) and ((stor\$4 or	USPAT;	2004/05/20 16:53
	"	memory) with characteristic with curve)	US-PGPUB;	200 1/03/20 10:33
		momory) with characteristic with curve)		
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	•
-	3	((estimat\$3 or detect\$3) with cavitation) and ((stor\$4 or	USPAT;	2004/05/20 16:53
		memory) with characteristic with curve)	US-PGPUB;	
			EPO; JPO;	*
			DERWENT;	•
				+
	<u> </u>		IBM_TDB	I. I